

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number  
**WO 2005/005403 A2**

(51) International Patent Classification<sup>7</sup>: C07D 30S/12 (74) Common Representative: RANBAXY LABORATORIES LIMITED; c/o DESHMUKH, Jay, R., 600 College Road East, Suite 2100, Princeton, NJ 08540 (US).

(21) International Application Number: PCT/IB2004/002305

(22) International Filing Date: 15 July 2004 (15.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 900/DEL/2003 15 July 2003 (15.07.2003) IN

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): RANBAXY LABORATORIES LIMITED [IN/IN]; 19, Nehru Place, New Delhi, Delhi 110 019 (IN).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): KUMAR, Yatendra [IN/IN]; U-26/5, Phase - III, DLF Qutab Enclave, Gurgaon, Haryana 122001 (IN). PRASAD, Mohan [IN/IN]; House No. P-3/3, Phase - II, DLF Qutab Enclave, Gurgaon, Haryana 122001 (IN). DEO, Keshav [IN/IN]; #M - 11, First Floor, South City - I, Unitech, Gurgaon, Haryana 122001 (IN). PANDEY, Anand [IN/IN]; Chhatupatti, Thingwas, Pratap Garh, Uttar Pradesh 230128 (IN). PATEL, Kiloi [IN/IN]; 202, Navjeevan Apartment, Vardhamannagar, Dhandhusar Road, Junagadh (Gujarat) 362001 (IN).

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/005403 A2

(54) Title: PROCESS FOR PREPARATION OF OXETAN-2-ONES

(57) Abstract: The present invention relates to a process for the preparation of diastereomerically and enantiomerically pure oxetan-2-ones. The present invention also relates to a process for the preparation of ester derivatives of oxetan-2-ones. The present invention further relates to compounds prepared by such processes.